

SPECIFICATION SHEET FOR CO SENSOR TYPE CO/SF-4E-S (4-Electrode CO Sensor with H₂ Compensation)

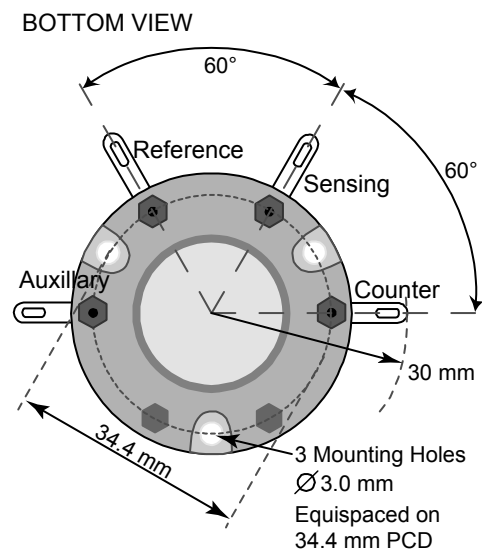
PERFORMANCE CHARACTERISTICS

Nominal Range	0 – 2'000 ppm
Maximum Overload	4'000 ppm
Inboard Filter	To remove acid gases and alcohol
Expected Operation Life	3 years in air
Output Signal	75 ± 25 nA/ppm
Resolution	1,0 ppm
Temperature Range	- 20 °C to 45 °C
Pressure Range	Atmospheric ± 10%
Pressure Coefficient	No data
T ₉₀ Response Time	< 40 sec
Relative Humidity Range	15 % to 90 % R.H. non-condensing
Typical Baseline Range (pure air, 20°C)	-3 to + 10 ppm
Maximum Zero Shift (+20°C to +40°C)	ND
Expected Long Term Output Drift	< 2 % signal loss/month
Recommended Load Resistor	10 Ohm
Bias Voltage	0 or + 250 mV
Repeatability	< 2 % of signal
Output Linearity	Linear
Gain	1,0 to 2,5

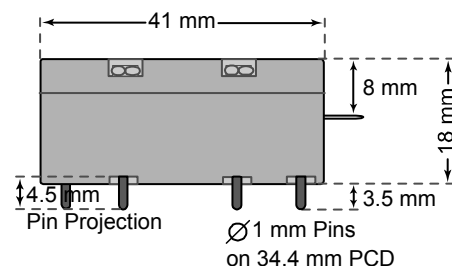
PHYSICAL CHARACTERISTICS

Weight	~ 27 g
Position Sensitivity	None
Storage Life	Six months in container
Recommended Storage Temperature	5 °C – 20 °C
Warranty Period	12 months from date of dispatch

Slim-Size Outline Dimensions



SIDE VIEW



CROSS-SENSITIVITY DATA

Interfering Gas	Cross-Sensitivity (%)
H ₂ S	0
SO ₂	0
NO	0
NO ₂	0
H ₂	< 2 % ¹⁾

¹⁾ After compensation

Performance data conditions:
20 °C, 50% RH and 1013 mbar

APPLICATIONS

CO Detection in CO/H₂-Mixtures
Emission Monitoring
Medical Applications

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